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DECLARATION
AND POWER OF ATTORNEY
Utility Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled DEPROTECTION OF RNA the specification of which

(Check One) ☐ is attached hereto OR
☒ was filed on October 1, 1998 as United States Application Serial No. 09/164,964
PCT International Application No.
and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Date of Filing	Priority Claimed	
			Yes	No

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date
60/061,321	October 02, 1997

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date	Status-Patented, Pending or Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint as my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Roland N. Smoot, Reg. No. 18,718; Conrad R. Solum, Jr. Reg. No. 20,467; James W. Geriak, Reg. No. 20,233; Robert M. Taylor, Jr., Reg. No. 19,848; Samuel B. Stone, Reg. No. 19,297; Douglas E. Olson, Reg. No. 22,798; Robert E. Lyon, Reg. No. 24,171; Robert C. Weiss, Reg. No. 24,939; Richard E. Lyon, Jr., Reg. No. 26,300; John D. McConaghy, Reg. No. 26,773; William C. Steffin, Reg. No. 26,811; Coe A. Bloomberg, Reg. No. 26,605; J. Donald McCarthy, Reg. No. 25,119; John M. Benassi, Reg. No. 27,483; James H. Shalek, Reg. No. 29,749; Allan W. Jansen, Reg. No. 29,035; Robert W. Dickerson, Reg. No. 29,914; Roy L. Anderson, Reg. No. 30,240; David B. Murphy, Reg. No. 31,125; James C. Brooks, Reg. No. 29,898; Jeffrey M. Olson, Reg. No. 30,790; Steven D. Hemminger, Reg. No. 30,755; Jerrold B. Reilly, Reg. No. 32,293; Paul H. Meier, Reg. No. 32,274; John A. Rafter, Jr., Reg. No. 31,653; Kenneth H. Ohriner, Reg. No. 31,646; Mary S. Consalvi, Reg. No. 32,212; Lois-M. Kwasigroch, Reg. No. 35,579; Lawrence R. LaPorte, Reg. No. 38,948; Robert C. Laurensen, Reg. No. 34,206; Bradford J. Duft, Reg. No. 32,219; Suzanne L. Biggs, Reg. No. 30,158; Richard J. Warburg, Reg. No. 32,327; John M. Johnson, Reg. No. 33,334; Daniel M. Chambers, Reg. No. 34,561; Daniel N. Yannuzzi, Reg. No. 36,727; Jessica R. Wolff, Reg. No. 37,261; Douglas C. Murdock, Reg. No. 37,549; Jeffrey W. Guise, Reg. No. 34,613; Troy M. Schmelzer, Reg. No. 36,667; F.T. Alexandra Mahaney, Reg. No. 37,668; Charles S. Berkman, Reg. No. 38,077; Edward M. Jordan, Reg. No. 40,666; John C. Kappos, Reg. No. 37,861; Daniel N. Yanuzzi, Reg. No. 36,727; Stephen S. Korniczky, Reg. No. 34,853; Jonathan T. Losk, Reg. No. 39,755; Theodore S. Maceiko, Reg. No. 35,593; Hope E. Melville, Reg. No. 34,874; Jeffrey A. Miller, Reg. No. 35,874; Kurt T. Mulville, Reg. No. 37,194; Clarke W. Neumann, Reg. No. 39,789; Vicki Norton, Reg. No. 40,745; Kenneth S. Roberts, Reg. No. 38,283; Thomas R. Rouse, Reg. No. 40,793; James K. Sakaguchi, Reg. No. 41,285; James K. Sakaguchi, Reg. No. 41,285; Carol A. Schneider, Reg. No. 34,923; Sheryl R. Silverstein, Reg. No. 40,812; Keith Kind, Reg. No. 42,735; Brent D. Sokol, Reg. No. 38,621; Jeffrey D. Tekanic, Reg. No. 36,031; Christopher A. Vanderlaan, Reg. No. 37,747; David E. Wang, Reg. No. 38,358; Lisa Ward Karmelich, Reg. No. 41,421; Michael J. Wise, Reg. No. 34,047; Wesley B. Ames, Reg. No. 40,893; Charles Balgenorth, Reg. No. 37,586; Thomas J. Brindisi, Reg. No. 40,348; James P. Brogan, Reg. No. 35,833; David T. Burse, Reg. No. 37,104; Bruce G. Chapman, Reg. No. 33,846; Farshad Farjami, Reg. No. 41,014; Charles C. Fowler, Reg. No. 39,675; and Corrine M. Freeman, Reg. No. 37,625.; of LYON & LYON, 633 West Fifth Street, Suite 4700, Los Angeles, California 90071-2066 telephone (619) 552-8400

Send Correspondence to: Richard J. Warburg	LYON & LYON LLP 633 W Fifth St., Suite 4700 Los Angeles, CA 90071	Direct Telephone calls to: 619 552 8400
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Residence, post office address, citizenship and signature of inventor(s) set forth beginning on next page.

	FULL NAME OF INVENTOR	FIRST Name Laurent	MIDDLE Initial	LAST Name Bellon	
201	RESIDENCE & CITIZENSHIP	City Boulder	State or Foreign Country Colorado	Country of Citizenship France	
	POST OFFICE ADDRESS	2946 Glenwood Drive	City Boulder	State or Country Colorado	Zip Code 80301

	FULL NAME OF INVENTOR	FIRST Name Christopher	MIDDLE Initial T.	LAST Name Workman	
202	RESIDENCE & CITIZENSHIP	City Boulder	State or Foreign Country Colorado	Country of Citizenship U.S.A.	
	POST OFFICE ADDRESS	3910 Longwood	City Boulder	State or Country Colorado	Zip Code 80303

	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name	
203	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship	
	POST OFFICE ADDRESS		City	State or Country	Zip Code

	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name	
204	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship	
	POST OFFICE ADDRESS		City	State or Country	Zip Code

	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name	
205	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship	
	POST OFFICE ADDRESS		City	State or Country	Zip Code

	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name	
206	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship	
	POST OFFICE ADDRESS		City	State or Country	Zip Code

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor	201
Date	07/01/99
Signature of Inventor	202
Date	
Signature of Inventor	203
Date	

Signature of Inventor	204
Date	
Signature of Inventor	205
Date	
Signature of Inventor	206
Date	

(Signatures should conform to names as presented at 201 et seq. above.)

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AND POWER OF ATTORNEY
Utility Application

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☒ was filed on October 1, 1998 as United States Application Serial No. 09/164,964
PCT International Application No.
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Send Correspondence to: Richard J. Warburg	LYON & LYON LLP 633 W Fifth St., Suite 4700 Los Angeles, CA 90071	Direct Telephone calls to: 619 552 8400
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Residence, post office address, citizenship and signature of inventor(s) set forth beginning on next page.

	FULL NAME OF INVENTOR	FIRST Name Laurent	MIDDLE Initial	LAST Name Bellon	
201	RESIDENCE & CITIZENSHIP	City Boulder	State or Foreign Country Colorado	Country of Citizenship France	
	POST OFFICE ADDRESS	2946 Glenwood Drive	City Boulder	State or Country Colorado	Zip Code 80301

	FULL NAME OF INVENTOR	FIRST Name Christopher	MIDDLE Initial T.	LAST Name Workman	
202	RESIDENCE & CITIZENSHIP	City Lyngby	State or Foreign Country DENMARK	Country of Citizenship U.S.A.	
	POST OFFICE ADDRESS	Rønne Allé 5	City Lyngby	State or Country DENMARK	Zip Code 2800

	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name	
203	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship	
	POST OFFICE ADDRESS		City	State or Country	Zip Code

	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name	
204	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship	
	POST OFFICE ADDRESS		City	State or Country	Zip Code

	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name	
205	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship	
	POST OFFICE ADDRESS		City	State or Country	Zip Code

	FULL NAME OF INVENTOR	FIRST Name	MIDDLE Initial	LAST Name	
206	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship	
	POST OFFICE ADDRESS		City	State or Country	Zip Code

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code §1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor	201
Date	
Signature of Inventor	202
Date	7/15/99
Signature of Inventor	203
Date	

Signature of Inventor	204
Date	
Signature of Inventor	205
Date	
Signature of Inventor	206
Date	

(Signatures should conform to names as presented at 201 et seq. above.)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 00,804 (211/180))

In re Patent of:)
Beigelman et al.)
Patent No.: 5,716,824) Group Art Unit:
Issued: February 10, 1998) Examiner:
For: 2'-O-Alkylthioalkyl and 2-C-)
Alkylthioalkyl-Containing Enzymatic)
Nucleic Acids (Ribozymes))

Asst. Commissioner for Patents
Washington, DC 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
(REVOCATION OF PRIOR POWERS)

As assignee of record of the entire interest of the above identified

- ☐ application
☒ patent

REVOCATION OF PRIOR POWERS OF ATTORNEY

all powers of attorney previously given in this patent, and in all applications and patents assigned to Ribozyme Pharmaceuticals, Inc., are hereby revoked and

NEW POWER OF ATTORNEY

The undersigned hereby appoints all of the practitioners associated with the Customer Number provided below to prosecute this application, and all applications and patents assigned to Ribozyme Pharmaceuticals, Inc., and to transact all business in the Patent and Trademark Office connected therewith and directs that all correspondence be addressed to that Customer Number:

Customer Number: 020306
Principal attorney or agent: Anita J. Terpstra
Telephone number: 312-913-0001

Assignee of Entire Interest:

Name: Ribozyme Pharmaceuticals, Inc.

Address: 2950 Wilderness Place. Boulder, Colorado 80301

EVIDENCE AND CERTIFICATION OF CHAIN OF TITLE

☒ Recorded in PTO on May 2, 1996

Reel 7938

Frame 0723

☐ Recorded herewith.

ASSIGNEE CERTIFICATION

In accordance with 37 C.F.R. § 3.73 the assignee hereby certifies that the evidentiary documents with respect to its ownership have been reviewed and that, to the best of assignee's knowledge and belief, title is in the assignee seeking to take this action.

Date: October 26, 2000


Signature

Name: Alene Holzman

Title: Vice President, Corporate Development